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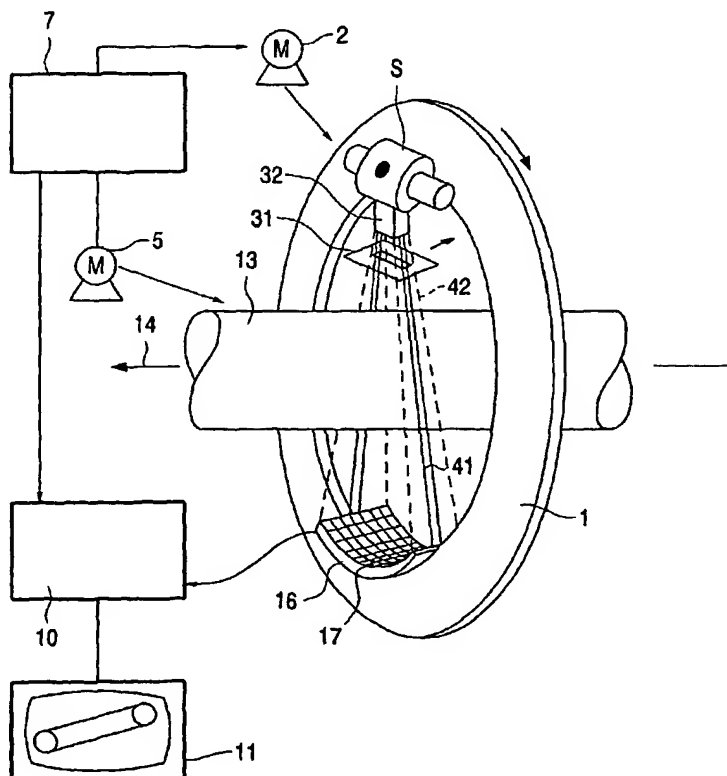
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- (71) Applicant (for DE only):** **PHILIPS INTELLECTUAL
PROPERTY & STANDARDS GMBH [DE/DE];** Stein-
damm 94, 20099 Hamburg (DE).
- (71) Applicant (for AE, AG, AL, AM, AT, AU, AZ, BA, BB, BE,
BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CY, CZ, DK,
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- (72) **Inventors; and**
 (75) **Inventors/Applicants** (*for US only*): **SCHLOMKA, Jens-Peter** [DE/DE]; c/o Philips Intellectual Property & Standards GmbH, Weissshausstr. 2, 52066 Aachen (DE). **GRAß, Michael** [DE/DE]; c/o Philips Intellectual Property & Standards GmbH, Weissshausstr. 2, 52066 Aachen (DE).
 (74) **Agent: VOLMER, Georg**; Philips Intellectual Property & Standards GmbH, Weissshausstr. 2, 52066 Aachen (DE).
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- (54) Title:** COMPUTED TOMOGRAPHY AND METHOD WITH THREE-DIMENSIONAL BACKPROJECTION



(57) Abstract: The invention relates to a computed tomography method in which an examination zone is irradiated along a circular trajectory by a fan-shaped radiation beam. Radiation coherently scattered in the examination zone is measured by a detector unit, the variation in space of the scatter intensity in the examination zone being reconstructed from said measuring values. Reconstruction is performed by back projection in a volume which is defined by two linearly independent vectors of the rotational plane and a wave vector transfer.



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